

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142039.D
 Acq On : 21 Mar 2025 19:48
 Operator : RC/JU
 Sample : Q1597-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-CONCRETE-SLAB

Quant Time: Mar 21 23:00:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

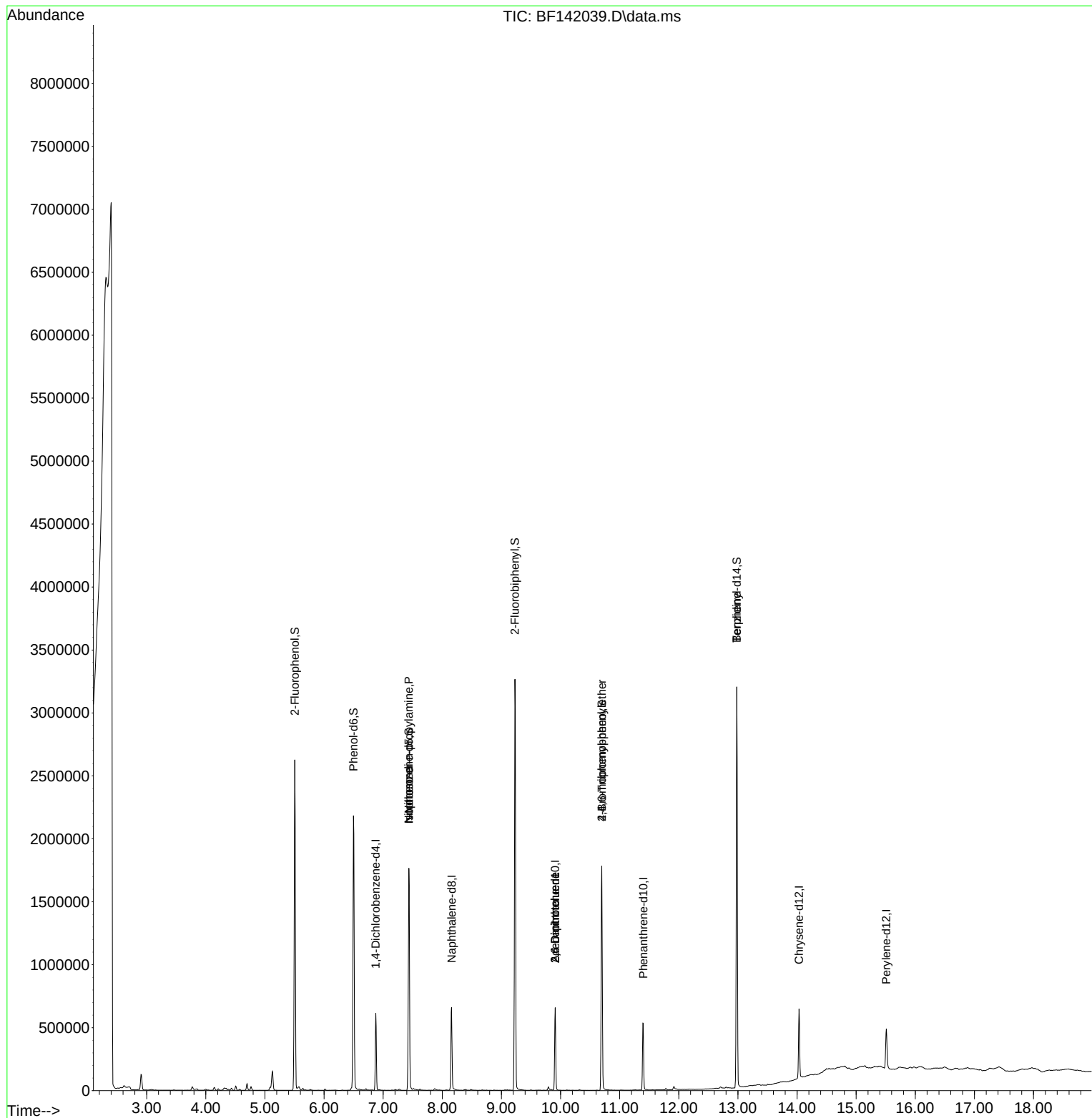
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	126659	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	438592	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	193173	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	288631	20.000	ng	0.00
76) Chrysene-d12	14.033	240	276772	20.000	ng	0.00
86) Perylene-d12	15.510	264	206846	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1023046	134.805	ng	0.01
7) Phenol-d6	6.499	99	1094375	113.259	ng	0.00
23) Nitrobenzene-d5	7.434	82	819503	105.151	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	331891	135.430	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1461434	115.056	ng	-0.01
79) Terphenyl-d14	12.980	244	1598880	85.409	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	113677	18.309	ng	# 78
25) Isophorone	7.434	82	803119	58.297	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	24992	8.873	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	24992	6.794	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	20314	5.604	ng	# 1
77) Benzidine	12.980	184	21450	5.555	ng	# 94

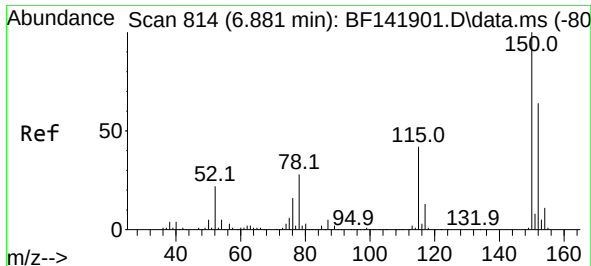
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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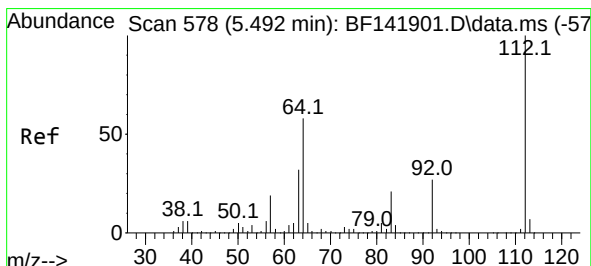
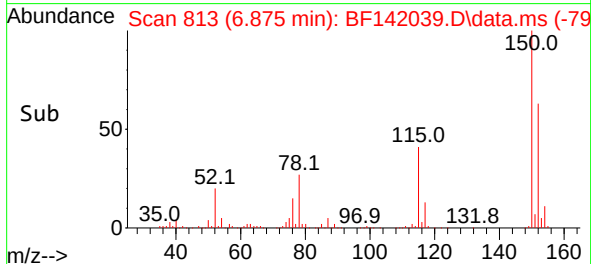
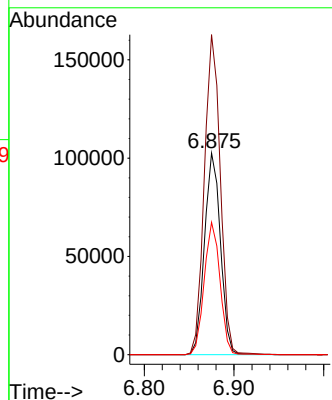
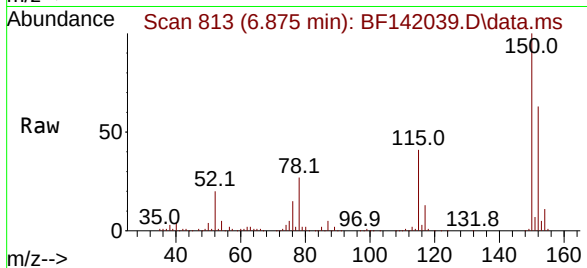




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

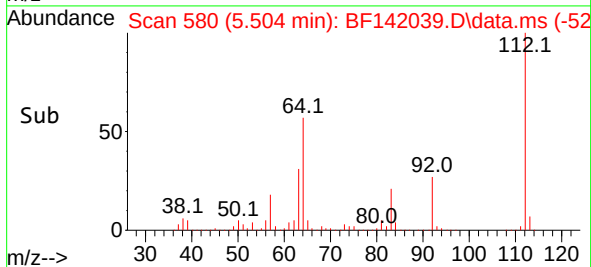
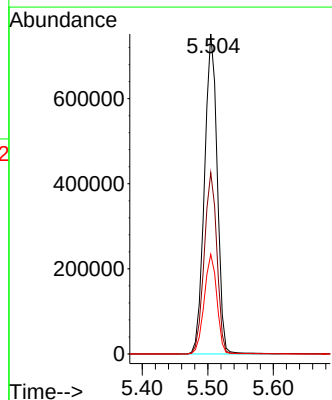
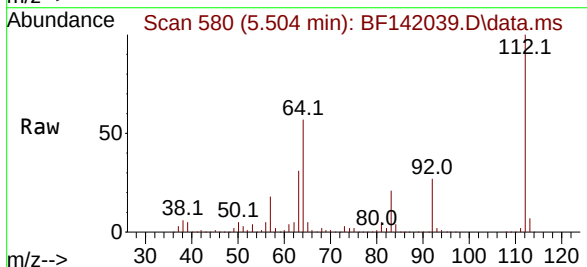
Instrument :
BNA_F
ClientSampleId :
1-CONCRETE-SLAB

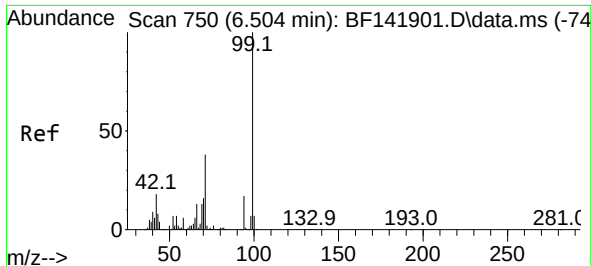
Tgt Ion:152 Resp: 126659
Ion Ratio Lower Upper
152 100
150 158.7 127.4 191.2
115 65.7 51.9 77.9



#5
2-Fluorophenol
Concen: 134.805 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

Tgt Ion:112 Resp: 1023046
Ion Ratio Lower Upper
112 100
64 56.6 46.5 69.7
63 31.1 25.4 38.2

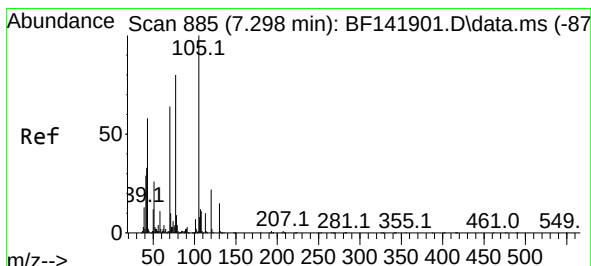
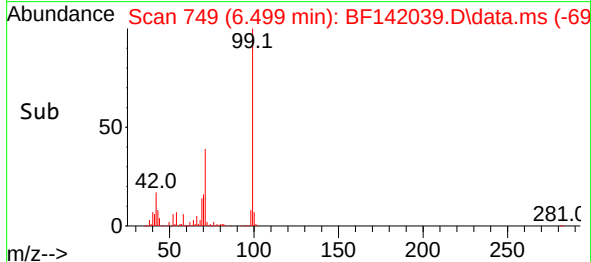
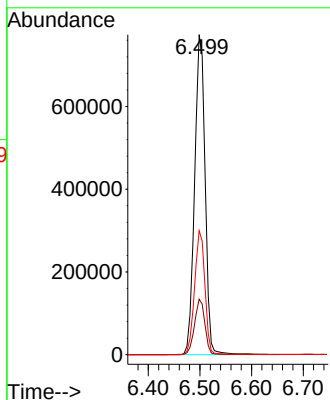
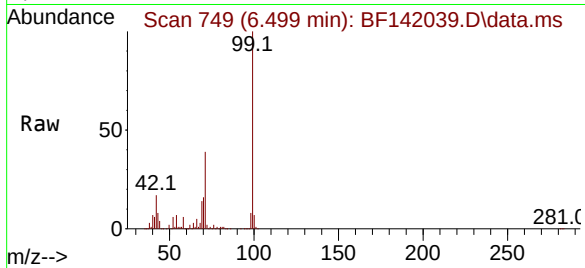




#7
Phenol-d6
Concen: 113.259 ng
RT: 6.499 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

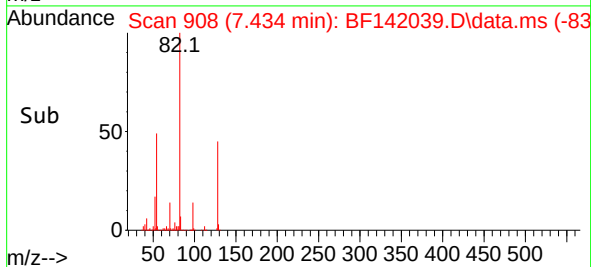
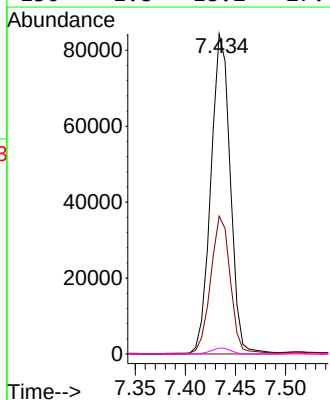
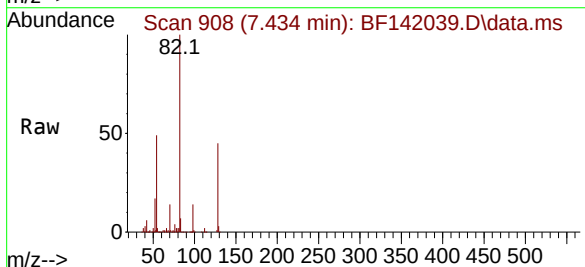
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BNA_F
ClientSampleId :
1-CONCRETE-SLAB

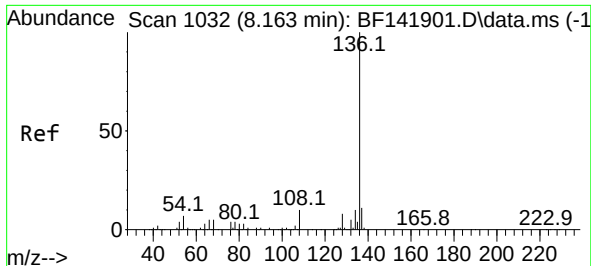
Tgt Ion: 99 Resp: 1094375
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 38.7 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.309 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.136 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

Tgt Ion: 70 Resp: 113677
Ion Ratio Lower Upper
70 100
42 43.1 41.4 62.0
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#

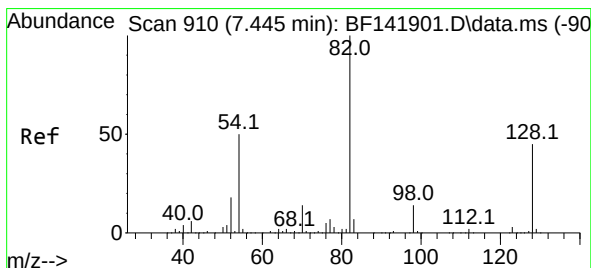
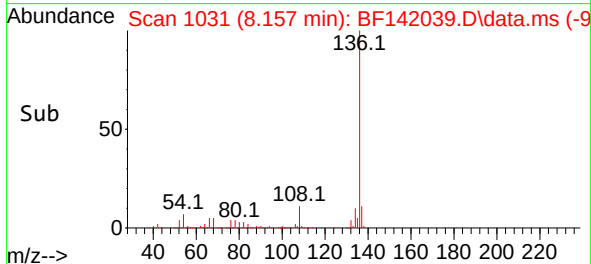
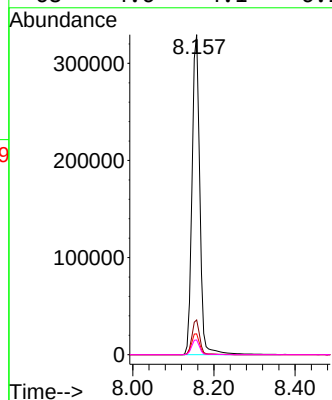
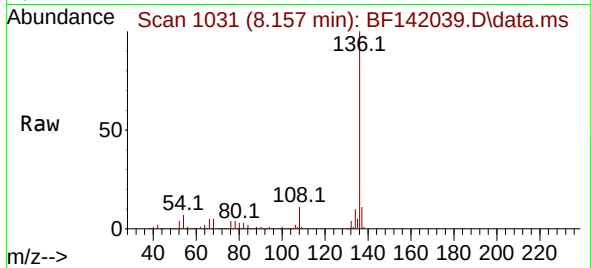




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

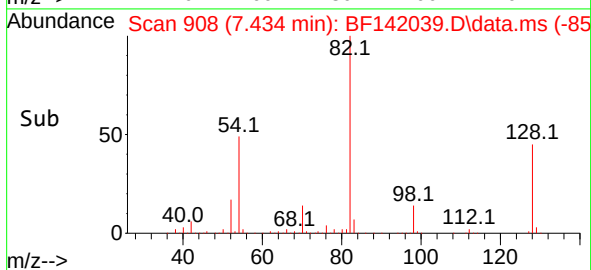
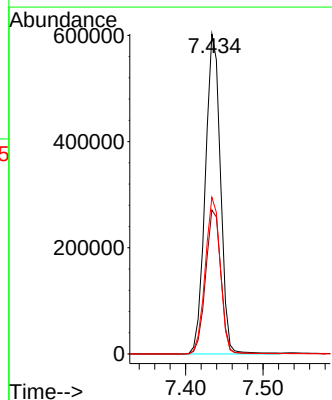
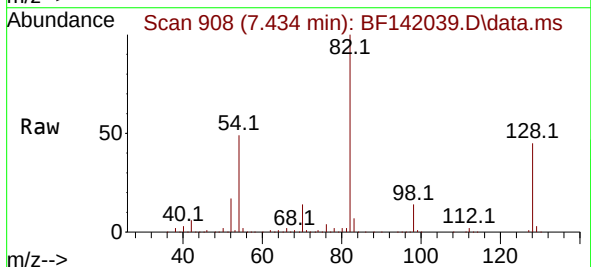
Instrument :
BNA_F
ClientSampleId :
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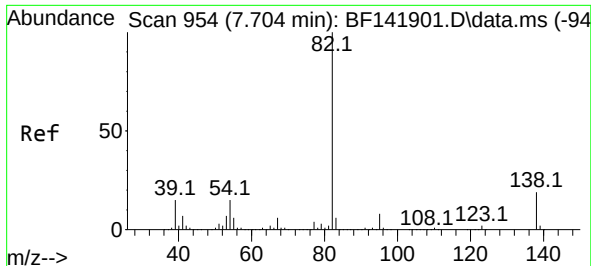
Tgt Ion:136 Resp: 438592
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.5 5.8 8.8
68 4.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 105.151 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

Tgt Ion: 82 Resp: 819503
Ion Ratio Lower Upper
82 100
128 45.0 36.0 54.0
54 49.0 39.6 59.4

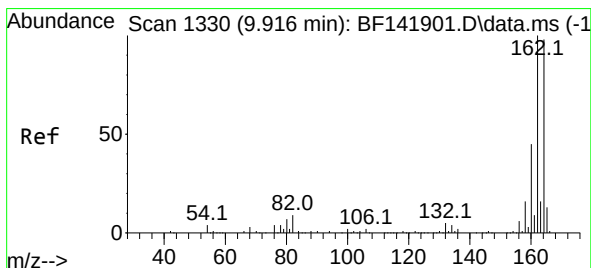
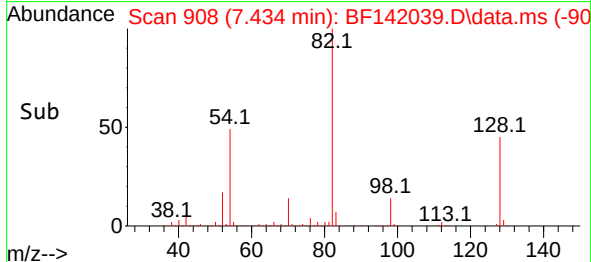
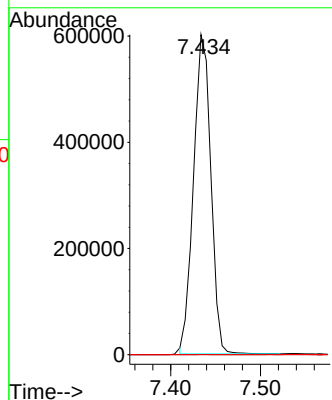
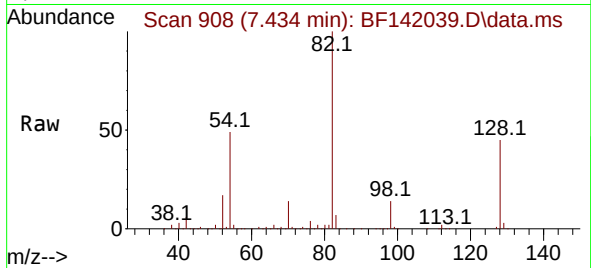




#25
Isophorone
Concen: 58.297 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

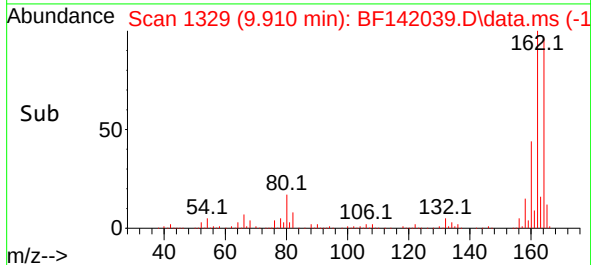
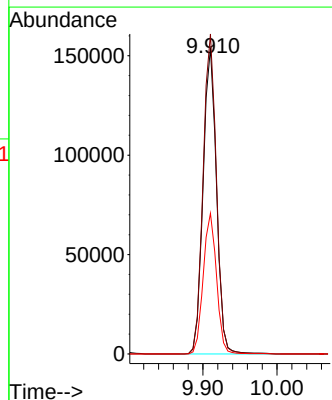
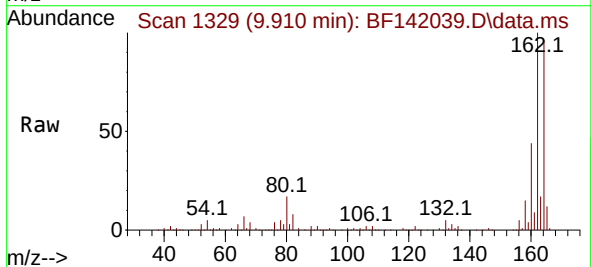
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ClientSampleId :
1-CONCRETE-SLAB

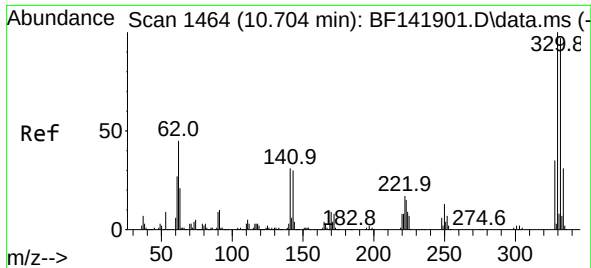
Tgt Ion: 82 Resp: 803119
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

Tgt Ion:164 Resp: 193173
Ion Ratio Lower Upper
164 100
162 104.6 81.8 122.6
160 46.0 36.7 55.1

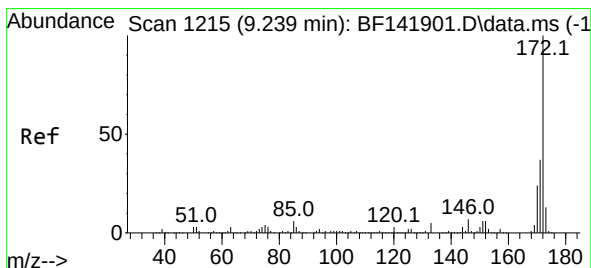
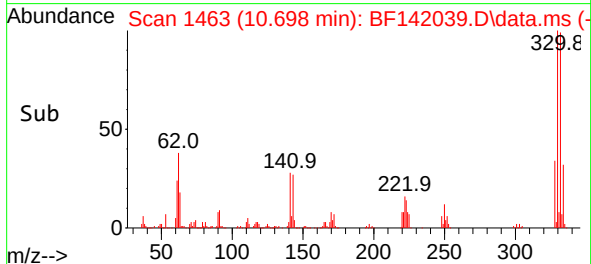
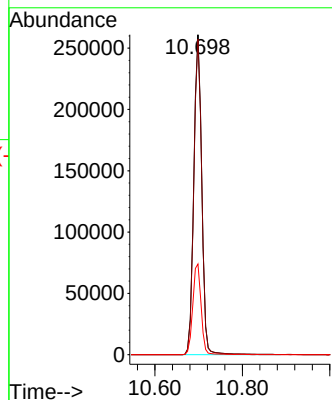
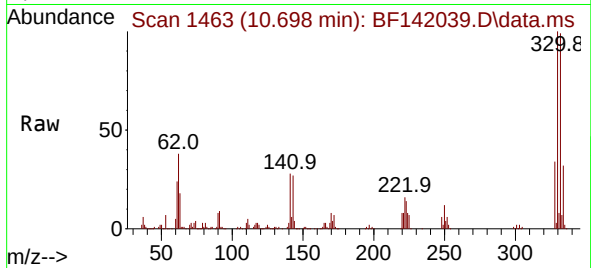




#42
 2,4,6-Tribromophenol
 Concen: 135.430 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142039.D
 Acq: 21 Mar 2025 19:48

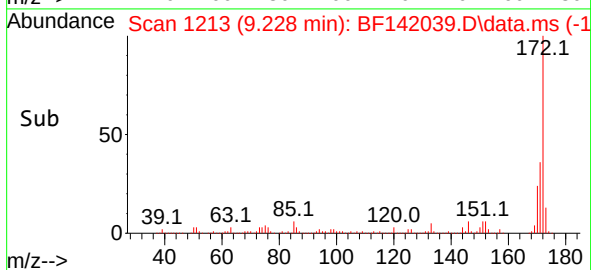
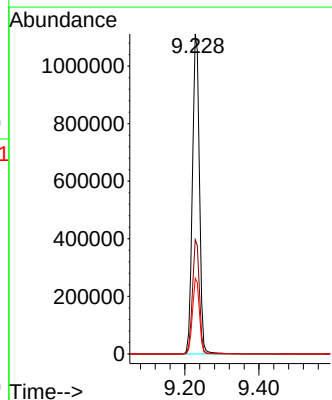
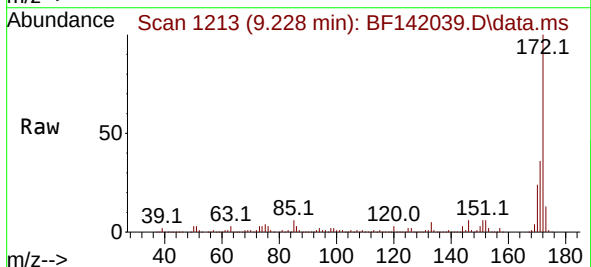
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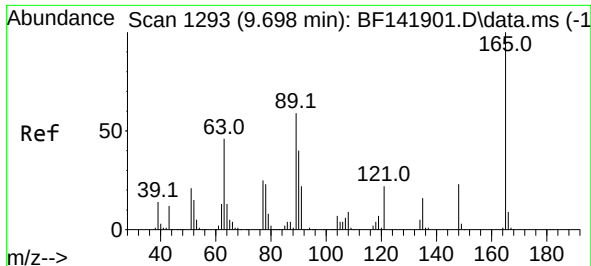
Tgt Ion:330 Resp: 331891
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.6 116.4
 141 29.5 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 115.056 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142039.D
 Acq: 21 Mar 2025 19:48

Tgt Ion:172 Resp: 1461434
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.3 43.9
 170 23.6 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.873 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF142039.D

Acq: 21 Mar 2025 19:48

Instrument :

BNA_F

ClientSampleId :

1-CONCRETE-SLAB

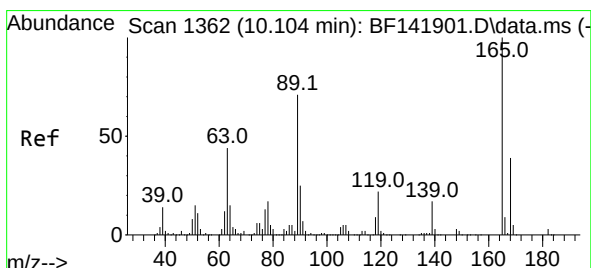
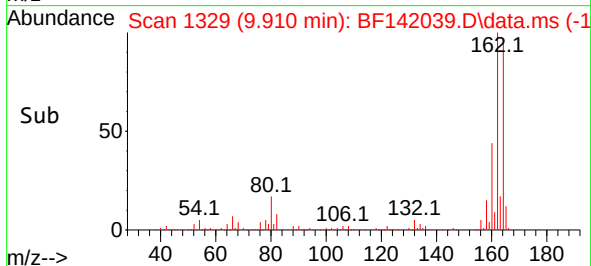
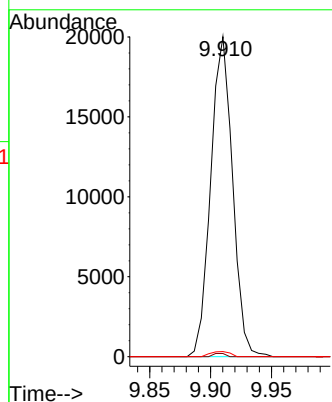
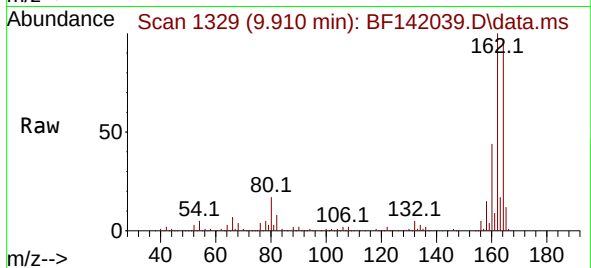
Tgt Ion:165 Resp: 24992

Ion Ratio Lower Upper

165 100

63 1.0 47.0 70.4#

89 1.6 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.794 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF142039.D

Acq: 21 Mar 2025 19:48

Tgt Ion:165 Resp: 24992

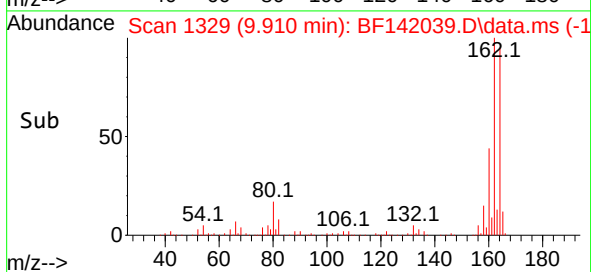
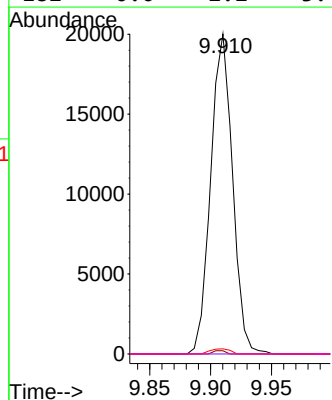
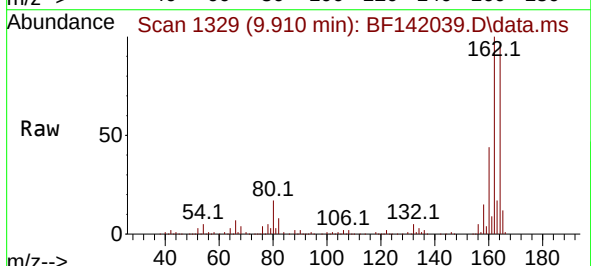
Ion Ratio Lower Upper

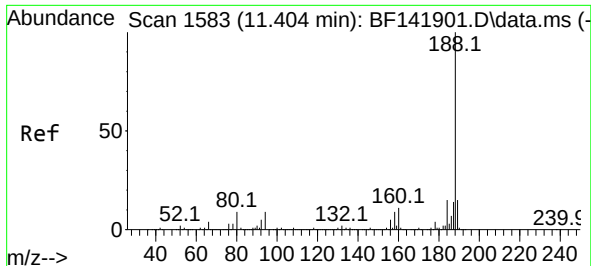
165 100

63 1.0 35.4 53.2#

89 1.6 56.6 84.8#

182 0.0 2.2 3.4#

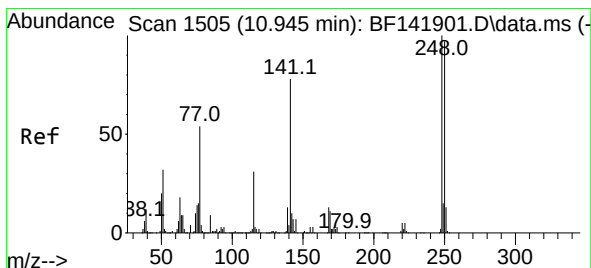
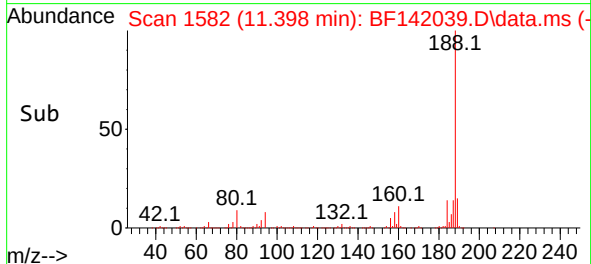
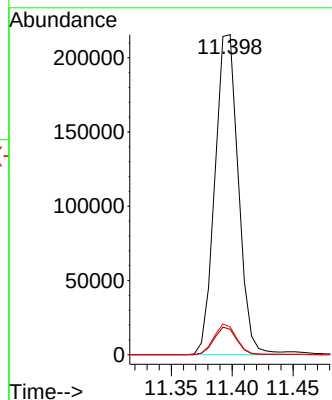
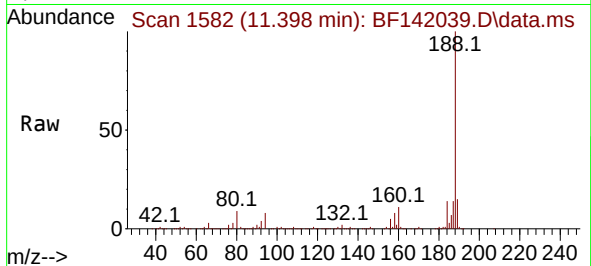




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

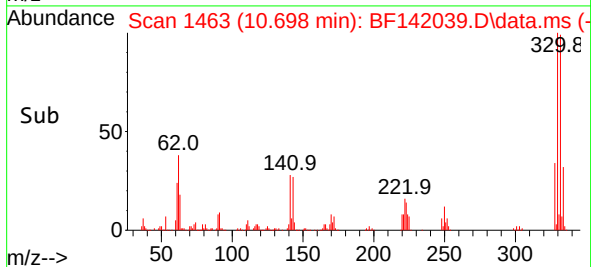
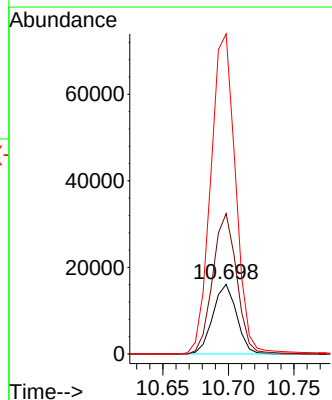
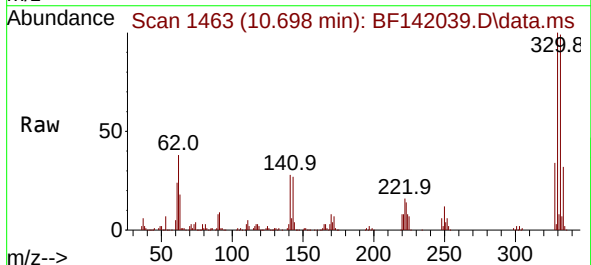
Instrument :
BNA_F
ClientSampleId :
1-CONCRETE-SLAB

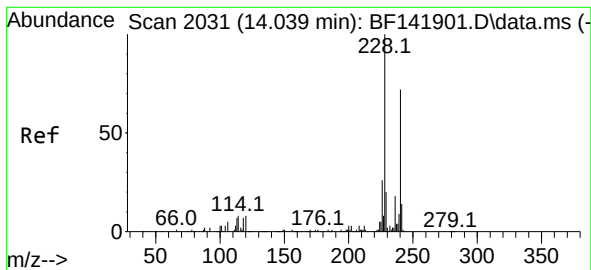
Tgt Ion:188 Resp: 288631
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.604 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142039.D
Acq: 21 Mar 2025 19:48

Tgt Ion:248 Resp: 20314
Ion Ratio Lower Upper
248 100
250 201.3 77.8 116.8#
141 459.1 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142039.D

Acq: 21 Mar 2025 19:48

Instrument :

BNA_F

ClientSampleId :

1-CONCRETE-SLAB

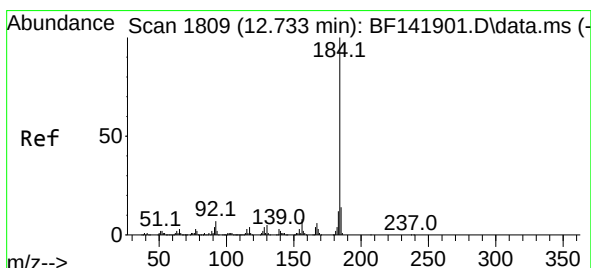
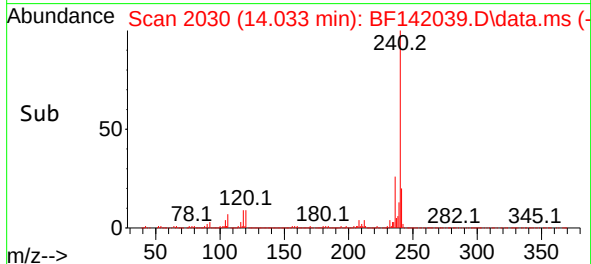
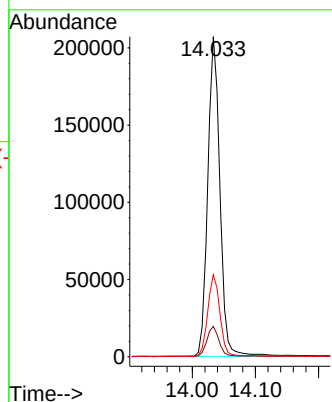
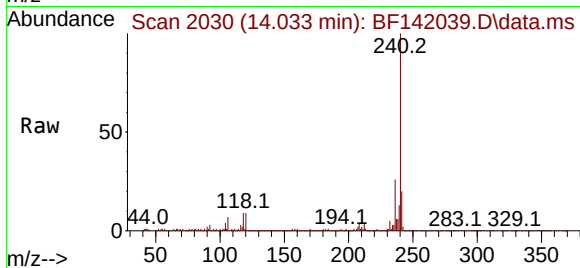
Tgt Ion:240 Resp: 276772

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

236 25.7 20.5 30.7



#77

Benzidine

Concen: 5.555 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142039.D

Acq: 21 Mar 2025 19:48

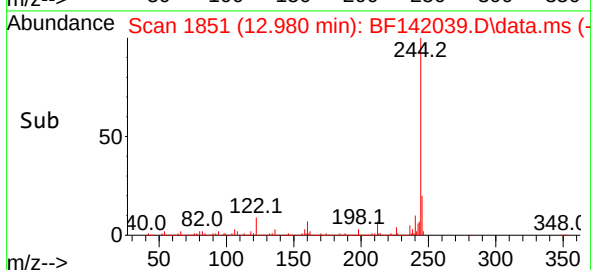
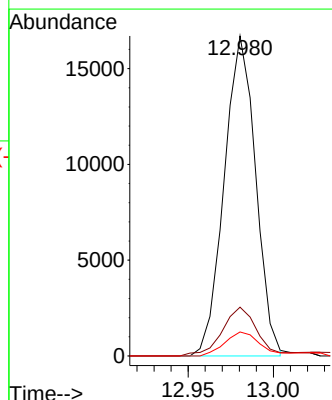
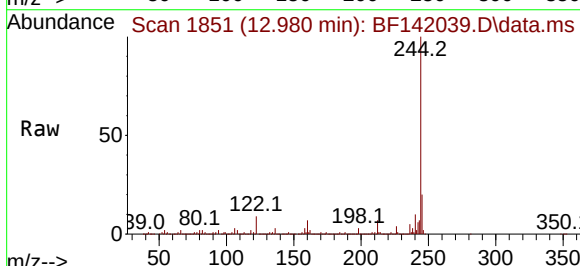
Tgt Ion:184 Resp: 21450

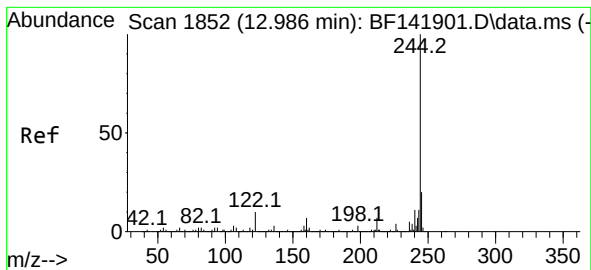
Ion Ratio Lower Upper

184 100

185 15.2 11.5 17.3

183 7.5 9.7 14.5#





#79

Terphenyl-d14

Concen: 85.409 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF142039.D

Acq: 21 Mar 2025 19:48

Instrument :

BNA_F

ClientSampleId :

1-CONCRETE-SLAB

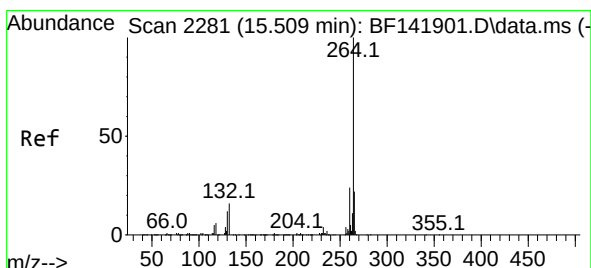
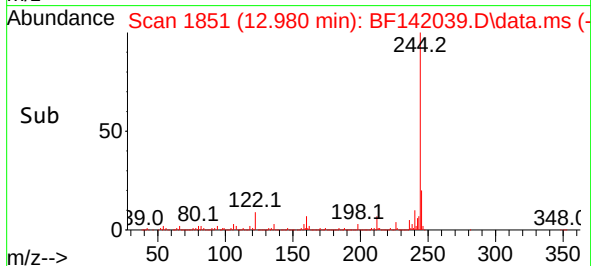
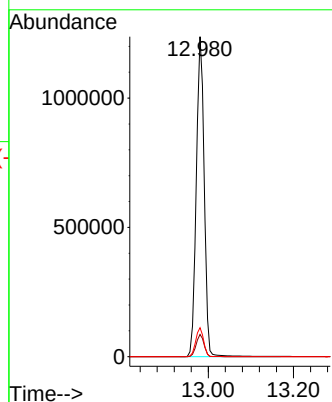
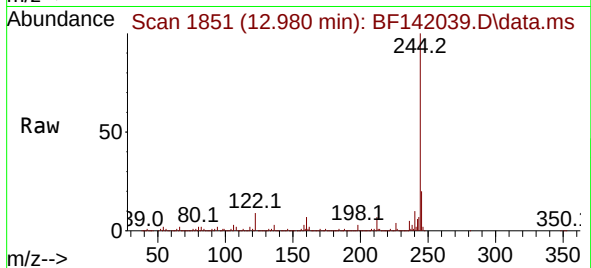
Tgt Ion:244 Resp: 1598880

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.1 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142039.D

Acq: 21 Mar 2025 19:48

Tgt Ion:264 Resp: 206846

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.3 17.5 26.3

